Part Seven

EPA-R6-2014-004884



Corpus Christi Refinery

AAT PE 110000504918

CERTIFIED MAIL
RETURN RECEIPT REQUEST
7011 0110 0000 1530 3401

P.O. Box 2608 Corpus Christi, Texas 78403-2608

March 22, 2012

Air Permits Initial Review Team (APIRT)
Texas Commission on Environmental Quality, MC-161
P.O. Box 13087
Austin, Texas 78711-3087

RE:

Flint Hills Resources Corpus Christi, LLC – West Refinery

Title V Permit No. O1272 Renewal Application

Corpus Christi, Nueces County TCEQ Account ID No. NE-0122-D Customer Reference No. CN603741463 Regulated Entity No. RN100235266 AIR PLANNING SEC

Dear Sir or Madam:

On behalf of Flint Hills Resources Corpus Christi, LLC ("FHR"), I am submitting OP-UA2, Table 2 for MACT ZZZZ and OP-UA50, Table 3 for MACT UUU as requested in your email on March 8, 2012. OP-UA2, Table 4 is not included for NSPS JJJJ because the rule is not applicable. As a result of these forms, we are submitting revised forms OP-2, OP-SUMR, OP-REQ2, and OP-CRO1.

Lastly, a revised version of Permit No. 8803A is included so that Appendix C of the current Title V permit can be updated.

If you have any questions, please call Rob Lamrouex at (361) 242-7418.

Sincerely,

Deborah Preschler Environmental Director

DP/RL/syw Air-12-087; W 3 N 7

Attachments

Ms. Susan Clewis, TCEQ, Region 14, Corpus Christi, w/attachments Mr. Kris Kirchner, P.E., Waid and Associates, Austin, w/attachments Environmental Protection Agency, Region 6, Dallas, w/attachments



Form OP-CRO1 Certification by Responsible Official Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

| I. IDENTIFYING INFORMATION | | | |
|---|--|--|---|
| A. RN: RN100235266 B. CN: | CN603741463 | C. Account No.: | NE-0122-D |
| D. Permit No.: O1272 | E. Project No.: | | |
| F. Area Name: | Corpus Christi W | | |
| G. Company Name: | Flint Hills Resources | Corpus Christi, LLC | |
| II. CERTIFICATION TYPE (Please mark the | e appropriate box) | | |
| A. ✓ Responsible Official: | B. Duly Author | rized Representative: | |
| III. SUBMITTAL TYPE (Place an "X" in the | appropriate box) (Only one i | esponse can be accepted j | ver form) |
| SOP/TOP Initial Permit Application | Update to Permit App | plication | |
| GOP Initial Permit Application | Permit Revision, Ren | | |
| Other: | | | |
| IV. CERTIFICATION OF TRUTH | | | |
| This certification does not extend to information | n which is designated by th | e TCEQ as information | for reference only. |
| | , certify that I am | | · |
| and that, based on information and belief formed period in Section IV.A below, or on the specific dates | d after reasonable inquiry, tate(s) in Section IV.B below, | the statements and inform are true, accurate, and con | nation dated during the time mplete: |
| Note: Enter EITHER a Time Period OR Specific In not valid without documentation date(s). | Date(s) for each certification | ı. This section must be co: | mpleted. The certification is |
| A. Time Period: From | n | | |
| A. Time Period: Fromto Start Date* | o End Date* | | |
| B. Specific Dates: 12/20/2010 3/22/2012 Date 1* Date 2* Date | e 3* Date 4* Date . | | |
| *The Time Period option may only be used when uncertified submittals; or a submittal package has if the "Submittal Type" is 'Other' | the "Submittal Type" is T | Indate to Permit Applicat | Date 7* Date 8* tion' and there are multiple t use the Time Period option |
| Signature: | | _ Signature Date: <u>3</u> /2 | 27/12 |
| Title: Vice President | | - | |



| Date: 3/22/2012 | Permit No.: | O1272 | Account No. | 100225266 | | | | | | | |
|--|------------------------|--|---|--|-------------------|-------------------|-----------------|------------------------|---|---------------|--|
| Area Name: Corpus Christi West Refinery Company Name: Flint Hills Resources Corpus Christi, LLC Customer Reference No.: 0 Customer Reference No.: 0 | | | | | | | | | · · · · · · · · · · · · · | | |
| For Submissions to EPA (SOP) | renewal, min | or revision; and significant rev | rision application | is only) | | | | | | | |
| Has a copy of this application bee information.) | | The state of the s | Chicago the proposition of pathological conductions | orang sesantah Pangang ang Pangang panggang 1999 (| · additional | | | I ▽ Yes | ∏ No | | |
| L APPLICATION TYPE | | 100 | | | | | 9.00 | | -1192312000000000000000000000000000000000 | | |
| Indicate the type of application: | ₽ | Renewal | P | Streamlined | Revision (Must i | nclude provisina | l termans and c | anditions as exp | lained in the iv | estevations \ | |
| | F. | Significant Revision | | | questing Prior Ap | | | oraniona de exp | tanca in me n | an actions.) | |
| II. QUALIFICATION STATE | MENT | Administrative Revision | Г | Response to | Reopening | | | VIII DE METERSON DE LE | y ta ang a ta ang | | |
| For SOP Revisions Only | | The referenced changes quali | fy for the marked | revision type. | | | | ₩ Yes | Г№ | | |
| For GOP Revisions Only | | The permitted area continues | to qualify for a G | OP. | | | | ☐ Yes | □ No | | |
| III. MAJOR SOURCE POLLU Indicate all pollutants for which th | | | | | | | | | | | |
| Pollutant | | st detailed outset on the site's pole | VOC | NO _x | SO ₂ | PM ₁₀ | СО | Pb | HAPs | Other | |
| Major at the Site (YES/NO): IV. FEE INFORMATION | | | YES | YES | YES | YES | YES | NO | YES | Ottle | |
| Has the applicant paid emissin fee | s for the most | recent agency fiscal year (Septer | mber 1-August 3 | 1)? | | Walter Branch | | ⊽ Yes | ∏. No | □ n/a | |
| Notice: This form will not be proc Delinquent Fee and penalty protoc | essed until all ol. | delinquent fees and/or penalties | owed the TCEQ | or the Office of | the Attorney Ge | neral on behalf o | f the TCEQ are | paid in accorda | nce with the | | |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Demilia J Futto N. Diviscontac |
|---------------------------|-------------------|--|-------------------------------------|
| Area Name: Corpus Christi | West Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Regulated Entity No.: RN100235266 |
| | | The state of the s | Customer Reference No.: CN603741463 |

| . DESCRIPT | ON OF REVISION | ON | | | | |
|--------------|----------------|----------|--------------------|--|------------------------|---|
| | Table 1 | | Unit/Group/Process | \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ | ESTORES AND TOP OF THE | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 1 | MS-C | NO | PRO34SRU1 | OP-UA10 | N/A | Change SOP Index Number from 112-SRU00002 to 112-SRU00004. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 2 | MS-C | NO | PRO48SRU2 | OP-UA10 | N/A | Change SOP Index Number from 112-SRU00002 to 112-SRU00004. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 3 | MS-C | МО | PRO57SRU3 | OP-UA10 | N/A | Change SOP Index Number from 112-SRU00002 to 112-SRU00004. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 4 | MS-C | NO | 08FB103R | OP-UA3 | N/A | Remove the individual entries for 08FB103R and SOP Index Numbers 115TK-00334, 60Kb-000 and 63CC-TANK00057 from the permit. This tank is part of GRPWTK27. |
| 5 | MS-C | NO | 08FB105R | OP-UA3 | N/A | Remove the individual entries for 08FB103R and SOP Index Numbers 115TK-00334, 60Kb-000 and 63CC-TANK00057 from the permit. This tank is part of GRPWTK27. |
| 6 | MS-C | NO | 08FB112R | OP-UA3 | N/A | Remove the individual entries for 08FB103R and SOP Index Numbers 115TK-00334, 60Kb-000 and 63CC-TANK00057 from the permit. This tank is part of GRPWTK27. |
| 7 | MS-C | NO | PRO48SRU2 | OP-UA50 | N/A | Change Unit ID from PRO48SRU1 to PRO48SRU2 for SOP Index Number 60J-SRU00001. |
| 8 | MS-C | NO | LW-8 | OP-UA4 | N/A | Change SOP Index Number 63CC-MLOAD0002 to 63CC-MLOAD00002. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirement. |
| 9 | MS-C | NO | TR-101 | OP-UA4 | N/A | Change SOP Index Number 63CC-TLOAD0003 to 63CC-TLOAD00003. This is correcting a tylin the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 10 | MS-C | NO | TR-101 | OP-UA4 | N/A | Change SOP Index Number 63CC-TLOAD0006 to 63CC-TLOAD00006. This is correcting a tylin the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 11 | MS-C | NO | 47BA1 | OP-UA50 | N/A | Change SOP Index Number 60J-COM00002 to 60J-COMB00002. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|-------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi Wes | st Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| i. descripti | ON OF REVISION | ON | | | Artenia de la composição | |
|--------------|----------------|----------|--------------------|--------------------|---|---|
| | | | Unit/Group/Process | | | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 12 | MS-C | NO | GRPWTK32 | OP-UA3 | N/A | Change SOP Index Number 15TK-0035 to 115TK-0035. This is correcting a typo in the SOP indenumber. There is no change in the unit attributes or regulatory requirements. |
| 13 | MS-C | NO | GRPWTK51 | OP-UA3 | N/A | Delete SOP Index Number 63CC-TANK00007 associated with GRPWTK51. This index number was requested to be deleted in a revision submitted June 2006. |
| 14 | MS-C | NO | TP62FB2110 | OP-UA58 | N/A | Change SOP Index Number 63G-WWTREAT06 to 63G-WWTREAT0006. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements |
| 15 | MS-C | NO | TP62FB2112 | OP-UA58 | N/A | Change SOP Index Number 63G-WWTREAT06 to 63G-WWTREAT0006. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements |
| 16 | MS-C | NO | 54FA8 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000523 to 61FF-OWS00523. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 16 | MS-C | NO | 54FA8 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000524 to 61FF-OWS00524. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 16 | MS-C | NO | 61 F A1219 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000523 to 61FF-OWS00523. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 16 | MS-C | NO | 61FA1219 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000524 to 61FF-OWS00524. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 16 | MS-C | NO | 14FA1466 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000523 to 61FF-OWS00523. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 16 | MS-C | NO | 14FA1466 | OP-UA14 | N/A | Change SOP Index Number 61FF-OWS000524 to 61FF-OWS00524. This is correcting a typo in the SOP index number. There is no change in the unit attributes or regulatory requirements. |
| 17 | MS-C | NO | SRUINC | OP-UA50 | | Change the Unit ID No. from SRUINC to 57BD2000 |



| Date: 3/22/2012 Permit No.: 01272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|---|---|-------------------------------------|
| Area Name: Corpus Christi West Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| I. DESCRIPT | ION OF REVISIO | ON | | | | |
|--------------|----------------|----------|--------------------|--------------------|-----------------------------|---|
| | | | Unit/Group/Process | (2) (3) (3) (3) | 109779 - 10046 - 10070 1000 | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 18 | MS-C | NO | 40FB4002 | OP-UA3 | N/A | Remove 40FB4002 from the permit because it has been demolished. |
| 19 | MS-C | NO | 05FA531 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 20 | MS-C | NO | 08FA848 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 21 | MS-C | NO | 28FB2831R1 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 22 | MS-C | NO | 28FB2813R1 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 23 | MS-C | NO | 28FB2814R1 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 24 | MS-C | NO | 62FB2133 | OP-UA3 | N/A | Remove the tank from group GRPWTK69 and move to the newly created GRPWTK72. |
| 25 | MS-C | NO | GRPWTK30 | OP-UA3 | N/A | Add Chapter 115 and NSPS Kb SOP Index Numbers. See attached list. |
| 26 | MS-C | NO | GRPWTK33 | OP-UA3 | N/A | Add Chapter 115 and NSPS Kb SOP Index Numbers. See attached list. |
| 27 | MS-C | NO | GRPWTK35 | OP-UA3 | N/A | Add Chapter 115 and NSPS Kb SOP Index Numbers. See attached list. |
| 28 | MS-C | NO | GRPWTK36 | OP-UA3 | N/A | Add Chapter 115 and NSPS Kb SOP Index Numbers. See attached list. |
| 29 | MS-C | NO | GRPWTK37 | OP-UA3 | N/A | Add Chapter 115 SOP Index Numbers. See attached list. |
| 30 | MS-C | NO | GRPWTK40 | OP-UA3 | N/A | Add Chapter 115 SOP Index Numbers. See attached list. |
| 31 | MS-C | NO | GRPWTK42 | OP-UA3 | N/A | Add Chapter 115 SOP Index Numbers. See attached list. |
| 32 | MS-C | NO | GRPWTK.53 | OP-UA3 | N/A | Add Chapter 115 SOP Index Numbers. See attached list. |
| 33 | MS-C | NO | GRPWTK.67 | OP-UA3 | N/A | Add Chapter 115 SOP Index Numbers. See attached list. |
| 34 | MS-C | NO | 08FB17 | OP-UA3 | , N/A | Add Tank 08FB17 to GRPWTK23. 08FB17 is currently a stand alone unit in the permit. Individual entries for 08FB17 need to be removed from the permit. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi Wo | est Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| I. DESCRIPT | ION OF REVISI | ON | | | | |
|--------------|---------------|----------|------------------------------|--------------------|-------------------|---|
| Revision No. | Revision Code | New Unit | Unit/Group/Process ** ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 35 | MS-B | ИО | 08FB17 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 36 | MS-B | NO | 15FB514 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 37 | MS-B | NO | GRPWTK01 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 38 | MS-B | NO | GRPWTK02 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 39 | MS-B | NO | GRPWTK03 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 40 | MS-B | NO | GRPWTK04 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 41 | MS-B | NO | GRPWTK17 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 42 | MS-B | МО | GRPWTK18 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 43 | MS-B | МО | GRPWTK19 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 44 | MS-B | МО | GRPWTK20 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 45 | MS-B | МО | GRPWTK21 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 46 | MS-B | NO | GRPWTK23 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 47 | MS-B | NO | GRPWTK24 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 48 | MS-B | NO | GRPWTK25 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 49 | MS-B | МО | GRPWTK26 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 50 | MS-B | МО | GRPWTK27 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 51 | MS-B | NO | GRPWTK28 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 52 | MS-B | NO | GRPWTK32 | OP-UA3 | N/A | Add periodic monitoring requirements. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | |
|-------------------------------|-------------------|--|-------------------------------------|
| Area Name: Corpus Christi Wes | st Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Regulated Entity No.: RN100235266 |
| | | The state of the s | Customer Reference No.: CN603741463 |

| . DESCRIPT | ION OF REVISIO | NC | | | | |
|--------------|----------------|----------|--------------------|--------------------|-------------------|---|
| | | | Unit/Group/Process | Park Projection | | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 53 | MS-B | NO | GRPWTK35 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 54 | MS-B | NO | GRPWTK40 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 55 | MS-B | NO | GRPWTK42 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 56 | MS-B | NO | GRPWTK46 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 57 | MS-B | NO | GRPWTK47 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 58 | MS-B | NO | GRPWTK50 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 59 | MS-B | NO | GRPWTK51 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 60 | MS-B | NO | GRPWTK52 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 16 | MS-B | NO | GRPWTK53 | OP-UA3 | N/A | Add periodic monitoring requirements. |
| 62 | MS-A | МО | 03FB5 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 63 | MS-A | NO | 03FB8 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 64 | MS-A | NO | 05FA513 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 65 | MS-A | NO | 08FA848 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 66 | MS-A | NO | 08FA849 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 67 | MS-A | NO | 08FB118 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 68 | MS-A | NO | 08FB131 | OP-UA3 | N/A | Remove 106.478/09/04/2000 as an NSR authorization. |
| 69 | MS-A | NO | 08FB132 | OP-UA3 | N/A | Remove 106.478/09/04/2000 as an NSR authorization. |
| 70 | MS-A | NO | 08FB143 | OP-UA3 | N/A | Remove 106.478/09/04/2000 as an NSR authorization. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Paralated Faster No DM100015066 |
|---------------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi Wes | t Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Regulated Entity No.: RN100235266 |
| · · · · · · · · · · · · · · · · · · · | | | Customer Reference No.: CN603741463 |

| I. DESCRIPT | ION OF REVISIO | ON | | | | |
|--------------------|----------------|----------|------------|--------------------|-------------------|---|
| Unit/Group/Process | | | | | | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 71 | MS-A | МО | 08FB144 | OP-UA3 | N/A | Remove 106.478/09/04/2000 as an NSR authorization. |
| 72 | MS-A | NO | 08FB153 | OP-UA3 | N/A | Remove 106.478/09/04/2000 as an NSR authorization. |
| 73 | MS-A | NO | 08FB17 | OP-UA3 | N/A | Remove NSR-74076 and 106.262/11/01/2003 as NSR authorizations. |
| 74 | MS-A | NO | 10FA1028 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 75 | MS-A | NO | 10FA1030 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 76 | MS-A | NO | 15FB507 | OP-UA3 | N/A | Remove 106.472/09/04/2000 as an NSR authorization. |
| 77 | MS-A | NO | 15FB607 | OP-UA3 | N/A | Remove 106.262/11/01/2003 as an NSR authorization. |
| 78 | MS-A | NO | 15FB608 | OP-UA3 | N/A | Remove 106.262/11/01/2003 as an NSR authorization. |
| 79 | MS-A | NO | 22FB2205 | OP-UA3 | N/A | Remove 106.472/09/04/2000 as an NSR authorization. |
| 80 | MS-A | NO | 22FB2206 | OP-UA3 | N/A | Remove 106.472/09/04/2000 as an NSR authorization. |
| 81 | MS-A | NO | 22FB2207 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 82 | MS-A | NO | 29TA2901 | OP-UA50 | N/A | Replace current NSR authorization with SE-082/01/03/1997. |
| 83 | MS-A | NO | 29TA2901ST | OP-UA50 | N/A | Replace current NSR authorization with SE-082/01/03/1997. |
| 84 | MS-A | NO | 29TA2902ST | OP-UA50 | N/A | Replace current NSR authorization with SE-082/01/03/1997. |
| 85 | MS-A | NO | 31BAI | OP-UA50 | N/A | Remove NSR-77459 as an NSR authorization. |
| 86 | MS-A | NO | 31BA1ST | OP-UA50 | N/A | Remove NSR-77459 as an NSR authorization. |
| 87 | MS-A | NO | 40BA101 | OP-UA50 | N/A | Remove NSR-77655 as an NSR authorization. |
| 88 | MS-A | NO | 40BA101ST | OP-UA50 | | Remove NSR-77655 as an NSR authorization. |



| Date: 3/22/2012 Permit No. | 7xccount (10 145-0122-D | Regulated Entity No.: RN100235266 |
|---|---|-----------------------------------|
| Area Name: Corpus Christi West Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | |

| I. DESCRIPTI | ION OF REVISIO | ON | | | | |
|--------------|----------------|----------|---------------------------|------------|--|--|
| | | New Unit | Unit/Group/Process ID No. | Applicable | DMCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC | Description of Changes |
| Revision No. | Revision Code | | | Form | NSR Authorization | and Provisional Terms and Conditions |
| 89 | MS-A | NO | 40BA401 | OP-UA50 | N/A | Remove NSR-77655 as an NSR authorization. |
| 90 | MS-A | NO | 40BA401ST | OP-UA50 | N/A | Remove NSR-77655 as an NSR authorization. |
| 91 | MS-A | NO | 40DJC2 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 92 | MS-A | NO | 45BD3 | OP-UA7 | N/A | Remove NSR-79214 as an NSR authorization. |
| 93 | MS-A | NO | 45FB701 | OP-UA3 | N/A | Replace current NSR authorizations with NSR-8803A. |
| 94 | MS-A | NO | 45FD1 | OP-UA14 | N/A | Remove NSR-79214 as an NSR authorization. |
| 95 | MS-A | NO | 62FB2133 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 96 | MS-A | NO | FRACTANKI | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 97 | MS-A | NO | FRACTANK2 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 98 | MS-A | NO | LW-10 | OP-UA3 | N/A | Replace current NSR authorizations with NSR-8803A. |
| 99 | MS-A | NO | LW-7 | OP-UA3 | N/A | Remove 106.472/09/04/2000 as an NSR authorization. |
| 100 | MS-A | NO | MCS-1001 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 101 | MS-A | NO | MCS-1002 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 102 | MS-A | NO | MCS-1003 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 103 | MS-A | NO | MCS-1004 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 104 | MS-A | NO | MCS-1005 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 105 | MS-A | NO | MCS-1006 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 106 | MS-A | NO | MCS-1007 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi We | st Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| I. DESCRIPT | ION OF REVISION | ON | | | | |
|------------------------------------|-------------------------|----------|--------------------|--------------------|-------------------|--|
| (1976) (1976) (1976) (1976) (1976) | Property of the Section | 的复数电影频 | Unit/Group/Process | | | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 107 | MS-A | NO | PU-ALKY | OP-UA60 | N/A | Replace current NSR authorizations with NSR-8803A. |
| 108 | MS-A | NO | PU-SULFTRM | OP-UA60 | N/A | Replace current NSR authorization with NSR-8803A. |
| 109 | MS-A | NO | TXPL1 | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 110 | MS-A | NO | TXPL2NE | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 111 | MS-A | NO | TXPL2SW | OP-UA3 | N/A | Replace current NSR authorization with NSR-8803A. |
| 112 | MS-C | NO | GRPWTK67 | OP-UA3 | N/A | Remove SOP Index No. 60K-00237. |
| 113 | MS-C | NO | 62FB2106 | OP-UA3 | N/A | Remove 62FB2106 from the permit because it has been demolished. |
| 114 | MS-C | NO | PROFCCU | | N/A | Add MACT UUU requirements. |
| 115 | MS-C | NO | PRO34SRU1 | | N/A | Add MACT UUU requirements. |
| 116 | MS-C | NO | PRO48SRUI | | N/A | Add MACT UUU requirements. |
| 117 | MS-C | YES | PROCCR | | N/A | Add new unit for MACT UUU requirements associated with catalytic reforming units. |
| 118 | MS-C | YES | GGGGGRMMUS | | N/A | Add new unit for MACT GGGGG requirements associated with remediation material management units. |
| 119 | MS-C | YES | GGGGGPVS | | N/A | Add new unit for MACT GGGGG requirements associated with process vents. |
| 120 | MS-C | YES | GGGGGEQLKS | | N/A | Add new unit for MACT GGGGG requirements associated with equipment leaks. |
| 121 | MS-C | NO | PRO57SRU3 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. |
| 122 | MS-C | МО | 56BA1 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |
| [23 | MS-C | МО | 56BA2 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|-------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi Wes | t Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| I. DESCRIPT | ION OF REVISI | ON | | | | |
|--------------|---------------|----------|--------------------|--------------------|-------------------|--|
| | | | Unit/Group/Process | Kranski Vojski | | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 124 | MS-C | NO | 57BD2000 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |
| 125 | MS-C | NO | 45BD1 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |
| 126 | MS-C | NO | 10BD1001-M | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |
| 127 | MS-C | NO | 45BD2 | OP-UA50 | N/A | Completion of new form OP-UA50, Table 2 for 40 CFR 60, Subpart Ja. Requirements are currently stayed by EPA. |
| 128 | MS-C | NO | GRPWTK19 | | N/A | Add MACT EEEE requirements. |
| 129 | MS-C | NO | GRPWTK26 | | N/A | Add MACT EEEE requirements. |
| 130 | MS-C | NO | GRPWTK27 | | N/A | Add MACT EEBE requirements. |
| 131 | MS-C | NO | GRPWTK28 | | N/A | Add MACT EEEE requirements. |
| 132 | MS-C | NO | GRPWTK23 | | N/A | Add MACT EEEE requirements. |
| 133 | MS-C | NO | GRPWTK25 | | N/A | Add MACT EEEE requirements. |
| 134 | MS-C | YES | 08GA887A | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG1. |
| 135 | MS-C | YES | 08GA887B | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG1. |
| 136 | MS-C | YES | 08GA887C | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG1. |
| 137 | MS-C | YES | 11GA1125 | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG2. |
| 138 | MS-C | YES | 11GA1126 | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG2. |
| 139 | MS-C | YES | 62GAE2211 | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG3. |
| 140 | MS-C | YES | 39TA3901 | | 106.511 | Add new unit for MACT ZZZZ requirements and include in new group GRPWENG4. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|--------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi West | Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| I. DESCRIPT) | ION OF REVISI | ON | viji cire gana iza | | | |
|--------------|---------------|----------|--------------------|--------------------|--|---|
| | | | Unit/Group/Process | | (100 100 100 100 100 100 100 100 100 100 | |
| Revision No. | Revision Code | New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions |
| 141 | MS-C | NO | 11FB402 | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 142 | MS-C | NO | 15FB608 | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 143 | MS-C | NO | GRPWTK21 | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 144 | MS-C | NO | GRPWTK22 | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 145 | MS-C | NO | GRPWTK38 | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 146 | MS-C | NO | 15FB514R | OP-UA3 | N/A | Add negative applicability determinations to Permit Shield. |
| 147 | MS-C | NO | 08FA849 | OP-UA3 | N/A | Change the Unit ID from 08FA849 to 08FA823 to match refinery nomenclature. |
| 148 | MS-C | NO | TR-101 | OP-UA4 | N/A | Remove SOP Index No. 115NC-LD00006 and 63CC-TLOAD00003, which represents the scenario for controlling emissions using a carbon adsorption system. The carbon adsorption system has been removed and the operation is only controlled by the vapor combustor. The vapor combustor scenario is already represented in the permit. |
| 149 | MS-C | NO | TR-101 | OP-UA4 | N/A | Add compliance assurance monitoring. |
| 150 | MS-C | YES | JCTBOXCAS | OP-UA52 | N/A | Add new unit to Title V for the carbon adsorption system controlling part of the individual drain system subject to NESHAP FF. |
| 151 | MS-C | NO | PRO57SRU3 | | N/A | Add MACT UUU requirements. |
| 152 | MS-C | NO | GRPWTK18 | | N/A | Remove CAP Numbers 55 and 56 in the Compliance Plan and Schedule since they have been completed. |
| 153 | MS-C | МО | GRPWTK25 | | N/A | Remove CAP Numbers 57 and 58 in the Compliance Plan and Schedule since they have been completed. |
| 154 | MS-C | МО | GRPWTK23 | | N/A | Remove CAP Number 60 in the Compliance Plan and Schedule since it has been completed. |
| 155 | MS-C | МО | GRPWTK17 | | | Remove CAP Number 65 in the Compliance Plan and Schedule since it has been completed. |



| Date: 3/22/2012 | Permit No.: 01272 | Account No.: NE-0122-D | Regulated Entity No.: RN100235266 |
|-------------------------------|-------------------|---|-------------------------------------|
| Area Name: Corpus Christi Wes | t Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Customer Reference No.: CN603741463 |

| | | | Unit/Group/Process | 9,45,51,63,60 | | |
|-------------------------------------|--------|--------------------|--------------------|---|-----|--|
| Revision No. Revision Code New Unit | ID No. | Applicable Form | NSR Authorization | Description of Changes and Provisional Terms and Conditions | | |
| 156 | MS-C | NO | GRPWTK27 | | N/A | Remove CAP Numbers 74 and 75 in the Compliance Plan and Schedule since they have been completed. |
| 157 | MS-C | NO | GRPWTK53 | | N/A | Remove CAP Numbers 83 and 87 in the Compliance Plan and Schedule since they have been completed. |
| 158 | MS-C | МО | PRO34SRU1 | | N/A | Remove CAP Number 98 in the Compliance Plan and Schedule since it has been completed. |
| 159 | MS-C | NO | PRO48SRU2 | OP- | | Remove CAP Number 99 in the Compliance Plan and Schedule since it has been completed. |



| Date: 3/22/2012 | Permit No.: O1272 | Account No.: NE-0122-D | Portland E (4 N P) Vocas |
|---------------------------------------|--|---|--|
| Area Name: Corpus Christ | i West Refinery | Company Name: Flint Hills Resources Corpus Christi, LLC | Regulated Entity No.: RN100235266 |
| | | i | Customer Reference No.: CN603741463 |
| I. SIGNIFICANT REVISI | ION (Complete this section | n if you are submitting a significant revision application or a re- | newal application that includes a significant revision.) |
| A. Is the site subject to biling | igual requirements pursuar | at to 30 TAC § 122,322? | Yes No |
| B. Indicate the alternate lan | | | Tes IV: No |
| | | one required. | |
| C. Will there be a change in | air pollutant emissions as | a result of this significant revision? | ☐ Yes ☑ No |
| D. Indicate the air pollutant(| ill there be a change in air pollutant emissions as a result of this significant revision? dicate the air pollutant(s) that are changing and include a brief description of the change in pollutant emissions for each pollutant Pollutant Description of the Change in Polluta | | i ies M No |
| | | to a strong description of the change in pollutant emissions for | r each pollutant; |
| Pollutant | | Description of the Change in | Pollutant Emissions |
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Form OP-SUMR Individual Unit Summary for Revisions (Page 1) Federal Operating Permit Program

| Date: 3/22/2012 | Regulated Entity No: RN100235266 | Permit No.: O1272 |
|--|---|-------------------|
| Company Name: Flint Hills Resources Corpus | s Christi, LLC Area Name: Corpus Christi West Refiner | ry |

| | Revision | | Unit | Principal design of the second | Preconstruction Authoriz | ations | |
|-------------|----------|------------|--------------------|--|--------------------------|--|------------|
| Unit Al | No. | ID No. | Applicable Form | Name/Description | CAM | 30 TAC Chapter 116/30 TAC Chapter 106 | Title I |
| D | 18 | 40FB4002 | OP-UA3 | Tank 40FB4002 | | 8803A | |
| | 19 | 05FA531 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 19 | 05FA531 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 20 | 08FA848 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 20 | 08FA848 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 21 | 28FB2831R1 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 21 | 28FB2831R1 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 22 | 28FB2813R1 | OP-UA3 | Tank 05FA531 | | 8803A | · |
| | 22 | 28FB2813R1 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 23 | 28FB2814R1 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 23 | 28FB2814R1 | OP-UA3 | Tank 05FA531 | | 8803A | |
| | 24 | 62FB2133 | OP-UA3 | Tank 62FB2133 | | 8803A | 11051 |
| | 24 | 62FB2133 | OP-UA3 | Tank 62FB2133 | | 8803A | 7.11 |
| | 34 | 08FB17 | OP-UA3 | Tank 08FB17 | | 8803A | |
| D | 113 | 62FB2106 | OP-UA3 | Tank 62FB2106 | | 8803A | " <u>.</u> |
| Α | 117 | PROCCR | | Catalytic Cracking Reforming Unit | | 8803A | |
| A | 118 | GGGGGRMMUS | | MACT GGGGG Remediation Material Management Units | | 8803A | |
| Α | 119 | GGGGGPVS | | MACT GGGGG Process Vents | | 8803A | |
| Α | 120 | GGGGGEQLKS | | MACT GGGGG Equipment Leaks | | 8803A | |



Form OP-SUMR Individual Unit Summary for Revisions (Page 1) Federal Operating Permit Program

| Date: 3/22/2012 | Regulated Entity No: RN100235266 | Permit No.: O1272 |
|--|--|-------------------|
| Company Name: Flint Hills Resources Corpus | Christi, LLC Area Name: Corpus Christi West Refinery | |

| | Revision | | Unit | | Preconstruction Authorizations |
|--------------------|----------|--------------------|--------------------|---|---|
| Unit Al | No. | ID No. | Applicable Form | Name/Description CAM | 30 TAC Chapter 116/30 TAC Chapter 106 Title I |
| A | 134 | 08GA887A | | West Plant Firewater Diesel Engine 1 | 106.511/09/04/2000 |
| A | 135 | 08GA887B | | West Plant Firewater Diesel Engine 2 | 106.511/09/04/2000 |
| A | 136 | 08GA887C | | West Plant Firewater Diesel Engine 3 | 106.511/09/04/2000 |
| A | 137 | 11GA1125 | | Mid Terminal Firewater Diesel Engine 1 | 106.511/09/04/2000 |
| Α | 138 | 11GA1126 | | Mid Terminal Firewater Diesel Engine 2 | 106.511/09/04/2000 |
| Α | 139 | 62GAE2211 | | Utilities Stormwater Pump | 106.511/09/04/2000 |
| Α | 140 | 39TA3901 | | CCR Emergency Generator | 106.511/09/04/2000 |
| | 147 | 08F∧849 08FA823 | | Tank 08FA849 Tank 08FA823 | 8803A |
| A | 150 | JCTBOXCAS | | Carbon Adsorption System on Junction Box | 8803A |
| | | | | | |
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| · ***** | | | | | |
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Form OP-SUMR Individual Unit Summary for Revisions (Page 2) Federal Operating Permit Program

| Date: | 03/22/2012 | Regulated Entity No: | RN100235266 | Perm | it No.: 01272 | |
|------------|-----------------------------|----------------------|-------------|------------------------------|---------------|------|
| Company Na | me: Flint Hills Resources C | orpus Christi, LLC | Area Name: | Corpus Christi West Refinery | | |

| Revision No. | ID No. | Applicable Form | Group Al | Group ID No. | Process AI | Process ID No. | Plant AI | Plant ID No. |
|--------------|------------|--------------------|----------|--------------|------------|--|----------|--|
| 18 | 40FB4002 | OP-UA3 | | | | <u>Medaelini i pipi keni sestyski nilikaj svoja judi</u> | | Res Belging Swipper (2016 et al. matte 2016) |
| 19 | 05FA531 | OP-UA3 | D | GRPWTK69 | | | | |
| 19 | 05FA531 | OP-UA3 | Α | GRPWTK72 | | | | |
| 20 | 08FA848 | OP-UA3 | D | GRPWTK69 | | | | |
| 20 | 08FA848 | OP-UA3 | А | GRPWTK72 | | | | |
| 21 | 28FB2831R1 | OP-UA3 | D | GRPWTK69 | | · · · · · · · · · · · · · · · · · · · | | |
| 21 | 28FB2831R1 | OP-UA3 | Α | GRPWTK72 | | | | |
| 22 | 28FB2813R1 | OP-UA3 | D | GRPWTK69 | | | | |
| 22 | 28FB2813R1 | OP-UA3 | А | GRPWTK72 | | | | |
| 23 | 28FB2814R1 | OP-UA3 | D | GRPWTK69 | | | | |
| 23 | 28FB2814R1 | OP-UA3 | Α | GRPWTK72 | | | | |
| 24 | 62FB2133 | OP-UA3 | D | GRPWTK69 | | VIII - 1 · | | |
| 24 | 62FB2133 | OP-UA3 | Α | GRPWTK72 | | | | |
| 34 | 08FB17 | OP-UA3 | Α | GRPWTK23 | | | | |
| 113 | 62FB2106 | OP-UA3 | | | | | | |
| 117 | PROCCR | | | | | | | *************************************** |
| 118 | GGGGGRMMUS | | | | - | | | |
| 119 | GGGGGPVS | | | | | | | |



Form OP-SUMR Individual Unit Summary for Revisions (Page 2) Federal Operating Permit Program

| Date: | 03/22/2012 | Regulated Entity No: | RN100235266 | Permit No.: 01272 | = |
|------------|-------------------------------|----------------------|-------------|------------------------------|---|
| Company Na | ame: Flint Hills Resources Co | orpus Christi, LLC | Area Name: | Corpus Christi West Refinery | - |

| Revision No. | ID No. | Applicable Form | Group AI | Group ID No. | Process AI | Process ID No. | Plant Al | Plant ID No. |
|--------------|--------------------|--|----------|--------------|------------------------------------|--|-------------------------|---|
| 120 | GGGGGEQLKS | | | | , 6 Martin, Cyclorescentes, egospe | e i gagetta e Legija, kara teliji Alei gaga e si | A BRIGHTSKY UP GET SKID | <u>અનુવાનીઓ સ્વારિકાની એ પરી કોંગોલીફનો</u> |
| 134 | 08GA887A | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | А | GRPWENG1 | | | | · |
| 135 | 08GA887B | | Α | GRPWENG1 | | | | |
| 136 | 08GA887C | | А | GRPWENG1 | | | | |
| 137 | 11GA1125 | | А | GRPWENG2 | | | | |
| 138 | 11GA1126 | | Α | GRPWENG2 | | | | |
| 139 | 62GAE2211 | | А | GRPWENG3 | | | | |
| 140 | 39TA3901 | | Α | GRPWENG4 | | | | |
| 147 | 08FA849 08FA823 | | | GRPWTK68 | | | | |
| 150 | JCTBOXCAS | | | | | | | ···· |
| | | | | | | | | |



Stationary Reciprocating Internal Combustion Engine Attributes Form OP-UA2 (Page 4) Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date: 3/22/2012 Permit No.: O1272 Regulated Entity No.: RN100235266

Area Name: Corpus Christi West Refinery

| Unit ID No. | SOP Index No. | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Installation Date | Stationary RICE Type |
|----------------|------------------|----------|-----------------------------------|-----------------------------------|--------------|-------------------|-------------------------|
| GRPENG1 | 63ZZZZ-ENG0004 | 300-500 | 02- | | EMER | | Cl |
| GRPENG2 | 63ZZZZ-ENG0002 | 100-250 | 02- | | EMER | | CI |
| GRPENG3 | 63ZZZZ-ENG0003 | 100-250 | 02-06 | | EMER | | |
| GRPENG4 | 63ZZZZ-ENG0005 | 500÷ | 02- | | EMER | | CI |



Treatment Process Attributes Form OP-UA50 (Page 5) Federal Operating Permit Program

Table 3a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63) Subpart UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries

| Date: | 3/22/2012 | Permit No.: | O1272 | Regulated Entity No.: | RN100235266 |
|--------|-----------------------------|-------------|-------|-------------------------|---------------|
| Area N | ame: Corpus Christi West Re | finery | | Customer Reference No.: | : CN600879712 |

| Process ID No. | SOP Index No. | CCU PM/Opacity Emission Limitation | CCU PM Control Device | CCU PM Control Device ID No. | CCU PM Control Device Alt ID | | CCU PM Alt Monitoring ID. | Alternate Procedure for Measuring Gas Flow Rate | Mutiple CCUs Served by a Single Wet Scrubber |
|-------------------|------------------|------------------------------------|--------------------------------|------------------------------|--|--------|------------------------------------|--|---|
| PRO34SRU1 | 63UUU-SRU00002 | | | | | | | | |
| PRO48SRU2 | 63UUU-SRU00007 | | | | | | | | |
| PRO48SRU2 | 63UUU-SRU00002 | | | | | | | | |
| PRO57SRU3 | 63UUU-SRU00007 | | | | | | | | |
| PRO57SRU3 | 63UUU-SRU00006 | | | | <u>. </u> | | | | |
| PROCCR | 63UUU-CRU00003 | | | | | | | | |
| PROCCR | 63UUU-CRU00004 | | | <u> </u> | <u> </u> | | | | |
| PROFCCU | 63UUU-FCCU00002 | NSPS | WETSCR1 | | | ALTCOM | | NO | |



Treatment Process Attributes Form OP-UA50 (Page 6) Federal Operating Permit Program

Table 3b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries

| Date: 3/22/2012 | Permit No.: | O1272 | Regulated Entity No.: RN100235266 |
|-----------------------------|--------------|-------|-------------------------------------|
| Area Name: Corpus Christi W | est Refinery | | Customer Reference No.: CN600879712 |

| Process ID No. | SOP Index No. | CCU CO Emission Limitation | CCU CO Control Device | CCU CO Control Device ID No. | CCU CO Control Device Alt ID | | CCU Bypass Line | CCU Bypass LIne Alt Monitoring ID |
|-------------------|------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|------|-----------------------|---|
| PRO34SRU1 | 63UUU-SRU00002 | | <u> </u> | | | | | |
| PRO48SRU2 | 63UUU-SRU00007 | | | | <u> </u> | | | |
| PRO48SRU2 | 63UUU-SRU00002 | | | | . | | | |
| PRO57SRU3 | 63UUU-SRU00007 | | | | | | | |
| PRO57SRU3 | 63UUU-SRU00006 | <u> </u> | | ! ! | | | | |
| PROCCR | 63UUU-CRU00003 | | | | | | | |
| PROCCR | 63UUU-CRU00004 | | | <u> </u> | | | <u> </u> | |
| PROFCCU | 63UUU-FCCU00002 | CO1 | BOILER | | | CEMS | BYOPT1 | |



Treatment Process Attributes Form OP-UA50 (Page 7) Federal Operating Permit Program

Table 3c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries

| Date: 3/22/2012 | Permit No.: | O1272 | Regulated Entity No.: RN100235266 |
|-----------------------------|--------------|-------|-------------------------------------|
| Area Name: Corpus Christi W | est Refinery | | Customer Reference No.: CN600879712 |

| Process ID No. | SOP Index No. | CRU TOC Emission Limitation | CRU TOC Compliance Method | CRU TOC Control Device | CRU TOC Control Device ID No. | CRU TOC Control Device Alt ID | CRU Engineering Assessment | CRU Alternate Monitoring | CRU Alt Monitoring ID |
|-------------------|------------------|-----------------------------------|---------------------------------|------------------------------|--|-------------------------------------|----------------------------------|--------------------------------|--------------------------|
| PRO34SRU1 | 63UUU-SRU00002 | | | · | , <u></u> | | | | <u> </u> |
| PRO48SRU2 | 63UUU-SRU00007 | | | | | | | | |
| PRO48SRU2 | 63UUU-SRU00002 | | | - | | <u> </u> | | | |
| PRO57SRU3 | 63UUU-SRU00007 | | | ···· | | | | | |
| PRO57SRU3 | 63UUU-SRU00006 | | | | | 1 | | | |
| PROCCR | 63UUU-CRU00003 | | | **** | | 7 | | | |
| PROCCR | 63UUU-CRU00004 | | | | · | | | | |
| PROFCCU | 63UUU-FCCU00002 | | | | A | | | | |



Treatment Process Attributes Form OP-UA50 (Page 8) Federal Operating Permit Program

Table 3d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries

| Date: 3/22/2012 | Permit No.: | O1272 | Regulated Entity No.: | RN100235266 |
|----------------------------------|-------------|-------|------------------------|---------------|
| Area Name: Corpus Christi West F | lefinery | | Customer Reference No. | : CN600879712 |

| Process ID No. | SOP Index No. | CRU HCI Emission Limitation | CRU HCl Control Device | CRU HCI Control Device ID | CRU HCI Control Device Alt ID. | Wet/Internal Scrubber Alt Monitoring | Wet Scrubber Alt Gas Flow Rate | Bypass Line | CRU Bypass Lin Alt Monitoring ID |
|-------------------|------------------|--|------------------------------|---|---|---|---|--|-------------------------------------|
| PRO34SRU1 | 63UUU-SRU00002 | | | | | | | | |
| PRO48SRU2 | 63UUU-SRU00007 | <u>. </u> | | | | | | | |
| PRO48SRU2 | 63UUU-SRU00002 | | | | | | | | |
| PRO57SRU3 | 63UUU-SRU00007 | | | | | | | | |
| PRO57SRU3 | 63UUU-SRU00006 | | | | | | | <u> </u> | |
| PROCCR | 63UUU-CRU00003 | HCL2 | INTSCR1 | *************************************** | | NONE | BYOPT1 | | |
| PROCCR | 63UUU-CRU00004 | HCL2 | INTSCR1 | | | NONE | BYOPT2 | | |
| PROFCCU | 63UUU-FCCU00002 | | | | | | | <u>. </u> | |



Treatment Process Attributes Form OP-UA50 (Page 8) Federal Operating Permit Program

Table 3e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63) Subpart UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries

| Date: 3/22/2012 | Permit No.: | O1272 | Regulated Entity No.: RN100235266 |
|-----------------------------|---------------|-------|-------------------------------------|
| Area Name: Corpus Christi V | Vest Refinery | | Customer Reference No.: CN600879712 |

| Process ID No. | SOP Index No. | SRU Emission Limitation | SRU Monitoring Method | SRU Bypass Line | SRU Bypass Line Alt Monitoring ID |
|-------------------|------------------|----------------------------|--------------------------|-----------------|--------------------------------------|
| PRO34SRU1 | 63UUU-SRU00002 | SRU1 | | BYALT | |
| PRO48SRU2 | 63UUU-SRU00007 | SRU1 | | BYOPT2 | |
| PRO48SRU2 | 63UUU-SRU00002 | SRU1 | | BYALT | |
| PRO57SRU3 | 63UUU-SRU00007 | SRU1 | | BYOPT2 | |
| PRO57\$RU3 | 63UUU-SRU00006 | SRU1 | | BYOPT1 | |
| PROCCR | 63UUU-CRU00003 | | | | |
| PROCCR | 63UUU-CRU00004 | | | | |
| PROFCCU | 63UUU-FCCU00002 | | | | |



Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

| Date: 03/22/2 | 012 | Regulated Entity No.: | RN100235266 | Permit No.: 01272 |
|---------------|------------------------------------|-----------------------|-------------|------------------------------|
| Company Name: | Flint Hills Resources Corpus Chris | ti, LLC | Area Name: | Corpus Christi West Refinery |

| | Revision | Unit/Group | /Process | Defendably Assistable | N. 112.5500 | |
|----------|----------|------------|--------------------|---|---------------------------------|--|
| Unit AI | No. | ID No. | Applicable Form | Potentially Applicable Regulatory Name | Negative Applicability Citation | Negative Applicability Reason |
| A | 134-136 | GRPWENG1 | | NSPS IIII | §60.4200(a)(2) | Commenced construction prior to July 11, 2005. |
| A | 137-138 | GRPWENG2 | | NSPS IIII | §60.4200(a)(2) | Commenced construction prior to July 11, 2005. |
| A | 139 | GRPWENG3 | | NSPS IIII | §60.4200(a)(2) | Commenced construction prior to July 11, 2005. |
| <u>A</u> | 140 | GRPWENG4 | | NSPS IIII | §60.4200(a)(2) | Commenced construction prior to July 11, 2005. |
| A | 134-136 | GRPWENG1 | | NSPS JJJJ | §60.4230(a) | Engine is not a stationary spark ignition internal combustion engine. |
| A | 137-138 | GRPWENG2 | | NSPS JJJJ | §60.4230(a) | Engine is not a stationary spark ignition internal combustion engine. |
| A | 139 | GRPWENG3 | | NSPS JJJJ | §60.4230(a) | Engine is not a stationary spark ignition internal combustion engine. |
| A | 140 | GRPWENG4 | | NSPS JJJJ | §60.4230(a) | Engine is not a stationary spark ignition internal combustion engine. |
| A | 140 | GRPWENG4 | | MACT ZZZZ | §63.6590(b)(3)(iii) | Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions. |
| A | 141 | 11FB402 | OP-UA3 | NSPS K | §60.110(c)(2) | Construction and any modifications or reconstructions all commenced prior to June 11, 1973. |
| A | 141 | 11FB402 | OP-UA3 | NSPS Kb | §60.110b(a) | Construction and any modifications or reconstructions all commenced prior to July 23, 1984. |
| A | 141 | 11FB402 | OP-UA3 | NESHAP Y | §61.270(a) | Does not store benzene within the specific gravities defined in 40 CFR §61.270(a). |
| A | 141 | 11FB402 | OP-UA3 | MACT G | §63.110(a) | Vessel is not associated with a chemical manufacturing process unit subject to 40 CFR 63 Subpart F. |
| A | 141 | 11FB402 | OP-UA3 | NSPS Ka | §60.110a(a) | Construction and any modifications or reconstructions all commenced prior to May 18, 1978. No applicable subpart of 40 CFR Parts 60, 61, or 63 reterences |
| A | 141 | 11FB402 | OP-UA3 | MACT 00 | §63.900 | the use of 40 CFR 63 Subpart OO for control of emissions from tanks. |
| A | 142 | 15FB608 | OP-UA3 | NESHAP Y | §63.110(b)(2) | The storage vessel is also subject to 40 CFR 63, Subpart G and is required to comply only with that subpart. |
| A | 142 | 15FB608 | OP-UA3 | MACT OO | §63.900 | No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from |



Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

| Date: 03/22 | 2012 | Regulated Entity No.: | RN100235266 | Permit No.: O1272 |
|---------------|------------------------------------|-----------------------|-------------|------------------------------|
| Company Name: | Flint Hills Resources Corpus Chris | ti, LLC | Area Name: | Corpus Christi West Refinery |

| | Revision | Unit/Group/ | Process | Potentially Applicable | NY TANAN AND AND A STATE OF THE | |
|---------|----------|-------------|--------------------|------------------------|--|---|
| Unit AI | No. | ID No. | Applicable Form | Regulatory Name | Negative Applicability Citation | Negative Applicability Reason |
| A | 142 | 15FB608 | OP-UA3 | NSPS Ka | §60.110a(a) | Construction and any modifications or reconstructions all commenced prior to May 18, 1978. |
| A | 142 | 15FB608 | OP-UA3 | NSPS K | §60.110(c)(2) | Construction and any modifications or reconstructions all commenced prior to June 11, 1973. |
| Α | 142 | 15FB608 | OP-UA3 | NSPS Kb | §60.110b(a) | Construction and any modifications or reconstructions all commenced prior to July 23, 1984. |
| A | 143 | GRPWTK21 | OP-UA3 | NESHAP Y | §61.270(a) | Does not store benzene within the specific gravities defined in 40 CFR §61.270(a). |
| A | 143 | GRPWTK21 | OP-UA3 | MACT OO | §63.900 | No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks. |
| A | 143 | GRPWTK21 | OP-UA3 | NSPS K | §60.110(c)(2) | Construction and any modifications or reconstructions all commenced prior to June 11, 1973. |
| Α | 143 | GRPWTK21 | OP-UA3 | NSPS Ka | §60.110a(a) | Construction and any modifications or reconstructions all commenced prior to May 18, 1978. |
| A | 143 | GRPWTK21 | OP-UA3 | NSPS Kb | §60.110b(a) | Construction and any modifications or reconstructions all commenced prior to July 23, 1984. |
| A | 144 | GRPWTK22 | OP-UA3 | NSPS K | §60.110(c)(2) | Construction and any modifications or reconstructions all commenced after May 19, 1978. |
| A | 144 | GRPWTK22 | OP-UA3 | MACT OO | §63.900 | No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks. |
| A | 144 | GRPWTK22 | OP-UA3 | MACT G | §63.110(a) | Vessel is not associated with a chemical manufacturing process unit subject to 40 CFR 63 Subpart F. |
| A | 144 | GRPWTK22 | OP-UA3 | NSPS Kb | §60.110b(a) | Construction and any modifications or reconstructions all commenced prior to July 23, 1984. |
| A | 144 | GRPWTK22 | OP-UA3 | NESHAP Y | §61.270(a) | Does not store benzene within the specific gravities defined in 40 CFR §61.270(a). |
| A | 145 | GRPWTK38 | OP-UA3 | NESHAP Y | §61.270(a) | Does not store benzene within the specific gravities defined in 40 CFR §61.270(a). |
| A | 145 | GRPWTK38 | OP-UA3 | MACT OO | §63.900 | No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks. |



Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

| Date: 03/22/20 | 12 | Regulated Entity No.: | RN100235266 | Permit No.: O1272 |
|--|----|-----------------------|-------------|------------------------------|
| Company Name: Flint Hills Resources Corpus Chris | | i, LLC | Area Name: | Corpus Christi West Refinery |

| Unit Al | Revision No. | Unit/Group/Process | | | | [일본 기존 기존 전 기존 전 기존 |
|----------|-----------------|--------------------|--------------------|---|---------------------------------------|--|
| | | ID No. | Applicable Form | Potentially Applicable Regulatory Name | Negative Applicability Citation | Negative Applicability Reason |
| | 1.45 | CDDUTTIO | 0.7.77.10 | | | Vessel is not associated with a chemical manufacturing process |
| <u>A</u> | 145 | GRPWTK38 | OP-UA3 | MACT G | §63.110(a) | unit subject to 40 CFR 63 Subpart F. |
| Α | 145 | GRPWTK38 | OP-UA3 | NSPS Kb | 860 11016) | Construction and any modifications or reconstructions all |
| - 11 | 143 | GRI WIR56 | Or-OA3 | Nara &u | §60.110b(a) | commenced prior to July 23, 1984. Construction and any modifications or reconstructions all |
| A | 145 | GRPWTK38 | OP-UA3 | NSPS K | §60.110(c)(2) | commenced after May 19, 1978. |
| | | 024 11 2220 | 01 0113 | 1101.01% | 900.110(0)(2) | Does not store benzene within the specific gravities defined in |
| A | 146 | 15FB514R | OP-UA3 | NESHAP Y | §61.270(a) | 40 CFR §61.270(a). |
| | | | | | * | No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from |
| A | 146 | 15FB514R | OP-UA3 | MACT OO | §63.900 | tanks. |
| A | 146 | 15FB514R | OP-UA3 | NSPS K | \$60.110(a)(2) | Construction and any modifications or reconstructions all |
| 4.4 | 110 | 131331410 | 01-023 | NSI S & | §60.110(c)(2) | commenced after May 19, 1978. Construction and any modifications or reconstructions all |
| A | 146 | 15FB514R | OP-UA3 | NSPS Ka | §60.110a(a) | commenced after July 23, 1984. |
| | | | *** | *· · · · | · · · · · · · · · · · · · · · · · · · | Maximum true vapor pressure of liquid stored is less than 0.5 |
| A | 146 | 15FB514R | OP-UA3 | NSPS Kb | §60.110b(b) | psi. |
| | | | | | | Vessel is not associated with a chemical manufacturing process |
| A | 146 | 15FB514R | OP-UA3 | MACT G | §63.110(a) | unit subject to 40 CFR 63 Subpart F. |
| Α | 146 | 15FB514R | OP-UA3 | Ch 116 | 0115 1177(1)/1) | Tank stores material with a true vapor pressure less than 1.5 |
| A | 140 | IJFBJ14K | OP-UA3 | Chapter 115 | §115.117(b)(1) | psia and is not an EFR tank. |
| | | | | | | |
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